

Agrium Conda Phosphate Operations

Agrium's Response to EPA's Letter Dated August 31, 2005

Agrium asserts a claim of confidentiality with respect to the information contained herein. The information to which this confidentiality claim applies constitutes trade secret, privileged or confidential commercial or financial information, and/or information specifically exempted from disclosure by statute. Such information has been maintained in confidence by Agrium and is not reasonably obtainable by use of legitimate means without Agrium's consent, and Agrium intends to continue its existing practice of protecting the confidentiality of all information subject to this claim of confidentiality.

Public disclosure of the information for which Agrium asserts this confidentiality claim would cause substantial harm to Agrium's competitive position. Furthermore, the information to which this claim applies does not constitute emission data, standards or limitations within the meaning of Clean Air Act §114(c), or other similar relevant federal and/or state provisions. This information includes commercial and/or financial-related information regarding confidential, commercially valuable plans, processes or devices. Because Agrium's business is highly competitive in nature, the disclosure of any such information would substantially harm Agrium's business position by depriving it of an advantage inherent in such information, and/or by providing Agrium's competitors with the ability to derive a benefit from such information to Agrium's detriment. For example, certain information to which this claim applies potentially could be used by Agrium's competitors to project Agrium's future production and/or pricing patterns, to gain insight into Agrium's proprietary process designs and/or production and marketing strategies, and/or to negatively influence public/consumer perceptions of Agrium and Agrium products.

In the event that EPA, or the Idaho Department of Environmental Quality ("IDEQ") receives a request for public disclosure of any information contained herein, Agrium requests that EPA and/or IDEQ notify Agrium immediately upon receiving any such request, notify Agrium of any determination by EPA and/or IDEQ with respect to the confidentiality of such information, and provide Agrium an opportunity to comment regarding any such EPA/IDEQ determination prior to the public disclosure of the requested information.

BATES PREFIX	BEG BATES	END BATES	DATE	DOC TYPE	AUTHOR	RECIPIENT	DESCRIPTION
AGR-CBI	001875	001875		File Cover			File cover sheet, "North End Reclaim" (documents located at AGR-CBI 001875-002037)
AGR-CBI	001876	001876		File Cover			Sub-File cover sheet, "Start-ups" (documents located at AGR-CBI 001876-001897)
AGR-CBI	001877	001880	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Start-up Procedure on Loaders
AGR-CBI	001881	001883	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim B-Bed System, Startup Procedure on #7 Belt Sampler
AGR-CBI	001884	001886	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim Washed Ore System, Start- up of Belts (Washed Ore System)
AGR-CBI	001887	001890	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Start-up of Belts (B- Bed System)
AGR-CBI	001891	001893	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Startup Procedure of Kolman Belt
AGR-CBI	001894	001897	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Start-up Procedure on Dozers
AGR-CBI	001898	001898		File Cover			Sub-File cover sheet, "Start-ups" (documents located at AGR-CBI 001898-001988)
AGR-CBI	001899	001901	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001902	001904	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Shutting Down the B- Bed System
AGR-CBI	001905	001907	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Shutdown of Dozers
AGR-CBI	001908	001910	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001911	001913	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Shutdown of Loaders
AGR-CBI	001914	001916	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown D-9 Dozer
AGR-CBI	001917	001919	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Long Term Shutdown
AGR-CBI	001920	001922	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown D-8 Dozer
AGR-CBI	001923	001925	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim B-Bed System, Shutdown Procedure on #7 Belt Sampler

BATES PREFIX	BEG BATES	END BATES	DATE	DOC TYPE	AUTHOR	RECIPIENT	DESCRIPTION
AGR-CBI	001926	001928	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Shutdown of Washed Ore System
AGR-CBI	001929	001931	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001932	001934	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Long Term Shutdown of Mobile Equipment
AGR-CBI	001935	001937	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001938	001940	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of 60 Foot Belt
AGR-CBI	001941	001943	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of Screen Discharge Belt
AGR-CBI	001944	001946	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001947	001949	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of 100 Foot Belt
AGR-CBI	001950	001952	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Long Term Shutdown
AGR-CBI	001953	001955	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Long Term Shutdown of the Kolman System
AGR-CBI	001956	001958	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Shutdown Procedure of Kolman Belt
AGR-CBI	001959	001961	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of #7 Belt
AGR-CBI	001962	001964	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Long Term Shutdown of #7 Belt Sampler
AGR-CBI	001965	001967	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of Screens
AGR-CBI	001968	001970	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (Washed Ore System), Emergency Shutdown of
AGR-CBI	001971	001973	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of Pan Feeder
AGR-CBI	001974	001976	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of #7 Belt Magnet
AGR-CBI	001977	001979	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of Kolman Belt Feeder

AGRIUM/CONDA
CBI Document Production Index
in Response to 8/31/05 EPA Info. Request

BATES PREFIX	BEG BATES	END BATES	DATE	DOC TYPE	AUTHOR	RECIPIENT	DESCRIPTION
AGR-CBI	001980	001982	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of #7 Belt Sampler
AGR-CBI	001983	001985	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of Reject Belt
AGR-CBI	001986	001988	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System (B-Bed), Emergency Shutdown of Kolman Belt
AGR-CBI	001989	001989		File Cover			Sub-File cover sheet, "Start-ups" (documents located at AGR-CBI 001989-002037)
AGR-CBI	001990	001992	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Safety Procedure on Adjusting Rollers on Belts
AGR-CBI	001993	001995	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Safety Procedures on Belt System and Feeders
AGR-CBI	001996	001998	7/28/2004	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Safety Procedure on Loader
AGR-CBI	001999	002001	7/28/2004	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Dozer Operation
AGR-CBI	002002	002004	2/4/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Safety Procedures, Reclaim Area Washed Ore System
AGR-CBI	002005	002007	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Cleaning the B-Bed Screens
AGR-CBI	002008	002011	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Operation of Belts
AGR-CBI	002012	002015	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Loader Operation
AGR-CBI	002016	002019	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Fueling Equipment
AGR-CBI	002020	002022	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Operation of #7 Belt Sampler
AGR-CBI	002023	002026	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Pushing Washed Ore
AGR-CBI	002027	002029	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim Systems, Firing Air Cannons
AGR-CBI	002030	002032	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Cleaning #7 Belt Magnet
AGR-CBI	002033	002037	2/28/2003	SOPs	Agrium Conda Phosphate Operations		Standard Operating Procedures: Reclaim System, Dozer Operation

North End
Reclaim

Start - Ups



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Start-up Procedure on Loaders

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personal with a step-by-step instruction on how to start up a loader.

Requirements: Read and understand operator's manual. Have proper PPE. Understand walk around procedure. Understand inspection of all fluid levels. Be familiar with EMS system. Must be A-Operator certified.

Required Documents: Operator's manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear.	<ul style="list-style-type: none">• Equipment damage	

Start-up Procedure of Loaders

TASKS:

1. Inspection reports.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Walk around equipment before starting and check for fluid leaks.		
2.	Check tires for proper inflation, rims, and lug bolts.		
3.	Check bucket arms and pins.		
4.	Articulation joint and pin.		
5.	Check all fluid levels before starting loader.	Fluid levels are engine oil, hydraulic oil, coolant, transmission oil, and fuel.	
6.	Turn master switch on.	Master switch is on the right side of the loader.	
7.	Make sure transmission control lever is in neutral.		
8.	Move control lever to the neutral position.		

NOTE

During cold weather, raising and lowering the bucket, can warm up hydraulic system. When engine and transmission are cold, run loader at minimum speeds until they reach operating temperature. To warm up the hydraulic steering, turn the steering wheel all the way to the left and right before putting loader in gear.

9.	Start engine.	Key switch is on the right side of the seat.	Hearing Protection required.
10.	Check fault system.		
11.	Raise bucket off the ground and check for hydraulic bleed off.		
12.	Check bucket tilt.		
13.	Put loader in reverse and check backup alarm.		
14.	Check air pressure gauge and make sure pressure is building.		

Start-up Procedure of Loaders

Steps		Key Points	PPE/Hazards
15.	Test the horn.		
16.	Fasten seat belt securely.		
17.	Release brake.		
18.	Sound horn before moving machine.		

Standard Operating Control Limits			
Start-up of loaders 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids	Over full, above full line	Equipment damage	Drain to proper level
Low oil fluids	Needs oil, below add line	Equipment damage	Fill to proper level
Red light on air	301 loader low air pressure	Brakes will not release	Build air until green light comes on
Air below 90 pounds	303 loader	Brakes will not release	Build air above 90 pounds

Training Notes:

- 1.
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Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim B-Bed System

Startup Procedure on #7 Belt Sampler

Reclaim-Startup-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step-by-step instruction on how to perform the start-up of the #7 Belt Sampler.

Requirements: Have proper PPE. Understand all safety procedures in handbook. Be familiar with Sampler Operation. Must be B-Operator certified.

Required Documents: Sampler Handbook.

Tools and Equipment: Wrenches, Air Lance, and Bars.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety Glasses• Work Gloves• Hearing Protection• Safety Toe Footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

Startup of #7 Belt Sampler

TASKS:

1. Equipment operation.
2. Safety procedures.

NOTE

Verify that the Gas and Siren Switches on the bottom floor of the tower are in the "ON" position in order for the Sampler to run.

NOTE

The Switch gear and red "STOP" button located on the front of the Control Panel will have to be in the "ON" position.

Steps		Key Points	PPE/Hazards
1.	Press start.	F1 Key located on the front of the Control Panel.	
2.	Verify that the Air System is running to the Sampler.		
3.	Verify times on the Operator Keypad.	Primary and Secondary Sweeps are set at the correct time.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim Washed Ore System

Start-up of Belts (Washed Ore System)

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with a step-by-step instruction on how to start up the belt system of the washed ore system.

Requirements: Have proper PPE. Be familiar with belt operation. Be familiar with interlock procedures. Understand operation of gas switches. Understand lock out procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment: Air lance, hammer.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Pinch points• Equipment damage	

Start-up of Belts (Washed Ore System)

TASKS:

1. Inspection reports.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Remove belt tipper from Screen Feed Belt.		
2.	Start the feed belt.		
3.	Start the screens.		
4.	Start the Reject Belt.		
5.	Start Screen Vibrator.		
6.	Start the Screen Feed Belt.		

NOTE

The Loader Operator will put washed ore in the feeder so that when the Ball Mill calls for feed, they are ready.

NOTE

The Ball Mill DCS Operator will start the Feeder Belt when is ready for feed.

7.	Start the fires on the belts if needed.	Fires are started in cold or wet conditions.	
8.	Light the torches on the Feed Bin under the screens.		
9.	Check belt splices, scrapers, and belt condition while belts are warming up.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Start-up of Belts (B-Bed System)

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with a step-by-step instruction on how to start the B-bed system.

Requirements: Have proper PPE. Be familiar with belt operation. Be familiar with interlock procedures. Understand operation of gas switches. Understand lock out procedures. Must be B-bed operator certified.

Required Documents:

Tools and Equipment: Air lance, hammer.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Pinch points• Equipment damage	

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AGR-CBI_001887

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Start-up of Belts (B-Bed System)

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Safety toe footwear | | |
|---|--|--|

TASKS:

1. Inspection reports.
2. Safety procedures.

NOTE

Before starting the B-Bed system, the operator will contact the B-Operator in the Wash Plant and have him/her start #7 belt.

Steps		Key Points	PPE/Hazards
1.	Before starting the system make sure all personnel are clear.		
2.	Turn on #7 belt gas interlocks.		
3.	Turn on #7 belt warning siren.		
4.	Turn the Reclaim belt interlock to the proper position.		
5.	Start the screens.		
6.	Start the Reject belt.		
7.	Start the 100-foot belt.	If the belt is frozen to the flashing use a bar to break it free.	
8.	Start the 60-foot belt.		
9.	Start pan feeder.		
10.	Contact B-Operator in Wash Plant to verify Vari-drive speed on Pan Feeder.		
11.	Start the fires on the belts, if needed.	Fires are needed in cold and wet conditions.	
12.	Check belt splices, scrapers, and belt condition while belts are warming up.		
13.	Verify the Bin Heaters in the bin under the screens and the Pan Feeder are on.		

Start-up of Belts (B-Bed System)

NOTE

There are a red and a white light on the northeast corner of the Transfer Tower. When the wash Plant Operator wants the feed shut off, he will turn on the light red.

NOTE

Refer to the start-up procedure for starting the #7 belt sampler.

Steps		Key Points	PPE/Hazards
14.	Start the #7 Belt Sampler.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Startup Procedure of Kolman Belt

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to start up the Kolman belt system.

Requirements: Have proper PPE. Be familiar with belt operation.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear		

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Start-up Procedure of Kolman Belt System

TASKS:

1. Inspection reports.
2. Loader operation.

Steps		Key Points	PPE/Hazards
1.	Verbally contact the B-Operator in the Wash Plant and have him start #7 Belt.		
2.	Start screens.		
3.	Start Reject Belt.		
4.	Start Kolman Feed Belt.		
5.	Start Kolman Feeder Belt.		
6.	Start fires on belt, if needed.		

NOTE

Kolman System will be fed with a loader. Wash Plant Operator will give you a white light when he is ready for feed and a red light when he wants you to stop feeding the system.

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Start-up Procedure on Dozers

Reclaim-01
2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to successfully start up a dozer.

Requirements: Read and understand operator's manual. Have proper PPE. Understand walk around procedure. Understand inspection of all fluid levels. Be familiar with emergency monitoring system. Must be A-Operator certified.

Required Documents: Operator's Manual

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear.	<ul style="list-style-type: none">• Equipment damage	

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Start-up Procedure on Dozers

TASKS:

1. Inspection report
2. Safety procedures

Steps		Key Points	PPE/Hazards
1.	Inspect all fluid levels. 1.1 Pull the dipstick. 1.2 Verify oil is at proper level.		
2.	Inspect air filter element.		
3.	Inspect alternator and fan belts.		
4.	Inspect the coolant level. 4.1 Remove cap, if no sight Available. 4.2 Visually check anti-freeze Level.		
5.	Inspect belly pan for leaks.		
6.	Inspect track tension.		
7.	Inspect master link and track bolts.		
8.	Inspect final drive and segments.		
9.	Inspect rippers, points and pins.		
10.	Inspect hydraulic hoses, tubes and joints.		
11.	Inspect cylinder rods for scoring.		
12.	Inspect cutting edges and corner bits.		
13.	Turn master switch on.		

NOTE

Once inspection and walk through of the dozer has been performed, enter inside the cab.

Start-up Procedure on Dozers

Steps		Key Points	PPE/Hazards
14.	Do not start engine if there is a "Do Not Operate" tag attached to the start switch.		
15.	Verify the transmission control is in neutral and the park brake is engaged.		
16.	Verify the throttle is in low idle.		
17.	Turn the engine start switch key to the on position.	The engine will start at low idle at this time.	Hearing protection required.
18.	Idle engine for 3 to 5 minutes.		
19.	Check EMS panel while engine is idling.		
20.	Adjust seat and buckle seat belt.		
21.	Go to full throttle and check hydraulic controls, steering and backup alarm.		
22.	Sound horn twice before moving equipment.		
23.	Check fault system and record codes on check list.	When dozer is equipped with a code list.	

Standard Operating Control Limits			
Start-up of dozer 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids	Overfull, above full line	Equipment damage	Drain to proper level
Low oil fluids	Needs oil, below add line	Equipment damage	Fill to proper level

Training Notes:

- 1.
- 2.
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Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____

Shut Downs

AGR-CBI_001898

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Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of the Loader 303

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the 303 loader.

Requirements: Have proper PPE. Be familiar with loader operation. Must be A-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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AGR-CBI_001899

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Emergency Shutdown of 303 Loader

TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Apply foot brake.		
2.	Apply park brake.		
3.	Pull foot throttle to "off".		
4.	Lock transmission.		
5.	Lower all attachments.		
6.	Turn master switch off.		
7.	Install "Do Not Start" tag to key switch.		
8.	Chock wheels.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Shutting Down the B-Bed System

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to shut down the B-Bed system.

Requirements: All PPE must be available and must be worn to do this procedure. Be familiar with belt operation. Understand operation of gas switches. Be familiar with interlock system. Be familiar with belt adjustment. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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AGR-CBI_001902

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Shutting Down the B-Bed System

TASKS:

1. Inspection reports.

NOTE

When the Wash Plant B-Operator gives you a red light to shut down, the Dozer Operator will clean up around the feeder and let it run dry.

Steps		Key Points	PPE/Hazards
1.	Clean Pan Feeder Bin.		
2.	Shut off Pan Feeder.		
3.	Clean rocks and chunks from screens.		
4.	Clean bin under screens.		
5.	Verify that all fires are out.	#7 belt, 100-foot belt, and 60-foot belt.	
6.	Shut down belts.	60-foot belt, 100 foot belt, and #7 belt.	
7.	Shut off screens.		
8.	Purge sampler and shut down.		
9.	Shut off #7 belt warning siren.		
10.	Check system to see if there are any repairs to be made while the plant is down. Spot belt splices.		
11.	Do clean up.	Around belt system chutes.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Shutdown of Dozers

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to shut down a dozer.

Requirements: All PPE must be available and worn to perform this task. All inspections will be performed visually. Operator should read and understand operator's manual. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

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Shut Down of Dozers

• Safety toe footwear		
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TASKS:

1. Inspection Report
2. Safety Procedures

Steps		Key Points	PPE/Hazards
1.	Park dozer on a level surface.		
2.	Apply the service brake to stop the dozer.		
3.	Move the Transmission Control to neutral and the throttle lever or switch to low idle.		
4.	Engage park brake.		
5.	Lower all attachments to the ground.		
6.	Let dozer idle for 3 to 5 minutes.		
7.	Shut engine down.		
8.	Turn the engine "start" switch to the "off" position.		
9.	Turn off the master switch.		
10.	Clean decks and tracks of dozer.		
11.	In cold weather, plug in engine heater, on the dozer.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of Loader 301

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the 301 loader.

Requirements: Have proper PPE. Read and understand operator's manual. Must be A-operator certified, and understand safety procedures.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of 301 Loader

TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Apply foot brake.		
2.	Turn key switch off.		
3.	Apply park brake.		
4.	Lock transmission.		
5.	Lower all attachments.		
6.	Turn master switch off.		
7.	Install "Do Not Start" tag to key switch.		
8.	Chock wheels.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Shutdown of Loaders

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to shut down a loader.

Requirements: Read and understand operator's manual. Have proper PPE. Understand walk around procedure. Understand inspection of all fluid levels. Be familiar with EMS System. Understand inspection report. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Shut Down of Loaders

TASKS:

1. Inspection Reports
2. Safety Procedures

Steps		Key Points	PPE/Hazards
1.	Park loader on a level surface. When necessary to park on a grade, block the tires.		
2.	Apply the service brake to stop the loader.		
3.	Move the transmission control lever to the neutral position.		
4.	Engage the parking brake.		
5.	Lower all attachments to the ground.		
6.	Let loader idle for 3 to 5 minutes before shutting it off.		
7.	Stop the engine.		
8.	Turn the engine start key to the "off" position.		
9.	Turn the Battery Disconnect Switch to the "off" position.		
10.	Drain water from air system.		
11.	In cold weather, plug in the engine heater, on the loader.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown D-9 Dozer

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step-by-step instruction on how to perform emergency shutdown on dozer. (D-9)

Requirements: Have proper PPE. Read and understand Operator's Manual. Understand safety procedures. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of D-9 Dozer

TASKS:

1. Equipment operation.
2. Inspection report.

Steps		Key Points	PPE/Hazards
1.	Shift transmission to neutral.		
2.	Apply brake.		
3.	Set idle to low.		
4.	Turn key switch to "off".		
5.	Lock transmission.		
6.	Lower all attachments.		
7.	Turn master key "off".		
8.	Install "Do Not Start" tag to key switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Long Term Shutdown

Reclaim-Long Term Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step- by –step instruction on how to perform the long term shutdown of the reclaim washed ore system.

Requirements: Have proper PPE. Understand belt operation. Understand operation of gas switches. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Long Term Shutdown Washed Ore System

TASKS:

1. Inspection of belts.

Steps		Key Points	PPE/Hazards
1.	Run all belts dry of material.		
2.	Inspect inside of screens, no foreign material.		
3.	Clean inside of grizzly.		
4.	Shut down belt system.		
5.	Install belt tipper in screen feed belt.		
6.	Pull flag switch.	On screen feed belt.	
7.	Shut off gas valve off.	Located on south side of screens.	
8.	Shut air valve off.	Located on the south side of screens.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown D-8 Dozer

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to perform emergency shutdown on dozer. (D-8)

Requirements: Have proper PPE. Read and understand Operator's Manual. Understand safety procedures. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection	<ul style="list-style-type: none">• Equipment damage	

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BUSINESS INFORMATION PRIVILEGES**

Emergency Shutdown D-8 Dozer

• Safety toe footwear		
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TASKS:

1. Equipment operation.
2. Inspection report.

Steps		Key Points	PPE/Hazards
1.	Shift transmission to neutral.		
2.	Apply brake.		
3.	Push throttle lever to "off".		
4.	Turn key switch to "off".		
5.	Lock transmission.		
6.	Lower all attachments.		
7.	Turn master key "off".		
8.	Install "Do Not Start" tag to key switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim B-Bed System

Shutdown Procedure on #7 Belt Sampler

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step-by-step instruction on how to perform the shutdown of #7 Belt Sampler.

Requirements: Have proper PPE. Understand all safety procedures in handbook. Be familiar with Sampler Operation. Must be B-Operator certified.

Required Documents: Sampler Handbook.

Tools and Equipment: Wrenches, Air Lance, and Bars.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety Glasses• Work Gloves• Hearing Protection• Safety Toe Footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

Shutdown of #7 Belt Sampler

TASKS:

1. Equipment operation.
2. Safety procedures.

CAUTION

Ensure that all potential energy sources are Locked, Tagged and Tried before starting any repairs.

Steps		Key Points	PPE/Hazards
1.	Press F6 Key located on the Operator Keypad.		

NOTE

The red "stop" button can also be pushed in and released to shut down the Sampler.

NOTE

To purge the system on the Sampler, following the step listed below.

2.	Press the F6 Key and hold in for 3 seconds.	This will purge all material from the system, based upon the present purge time.	
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NOTE

When the system is purging, the F6 light will be blinking.

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Shutdown of Washed Ore System

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to shut down the washed ore system.

Requirements: All PPE must be available and must be worn to do this procedure. Be familiar with belt operation. Understand operation of gas switches. Be familiar with interlock system. Be familiar with belt adjustment. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear		

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Shut Down of Washed Ore System

TASKS:

1. Inspection report.

NOTE

While feeder is running empty the operator will clean off the Grizzly.

Steps		Key Points	PPE/Hazards
1.	Clean Feeder Bin.		
2.	Shut off the feeder.		
3.	Vibrate the bin under the screens.		
4.	Visually check to make sure screens are clean.		
5.	Clean chute where the Feed Belt dumps onto the RC 2 Belt.		
6.	Check to make sure all fires are out.	Screen feed belt screen discharge belt torches around the screens.	
7.	Shut all belts down and spot splices.		
8.	Shut off screens.		
9.	Shut off screen vibrator.		
10.	Shut off the main gas valve to the torches under the screens.	Located by the reject belt.	
11.	Shut air valve off.	Located by the reject belt.	
12.	Pull flag switch on screen feed belt.		
13.	Install Belt Tipper on screen feed belt.	On screen feed belt.	
14.	Clean up area.	Around belt system and chutes.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of the Feeder Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to perform the emergency shutdown of the feeder belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Feeder Belt

• Safety toe footwear		
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TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____

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Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Long Term Shutdown of Mobile Equipment

Reclaim-Long Term Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step- by –step instruction on how to perform the long-term shutdown of all mobile equipment.

Requirements: Have proper PPE. Understand inspection reports. Understand all safety procedures. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

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Long Term Shutdown of Mobile Equipment

• Safety toe footwear		
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TASKS:

1. Equipment operation.

Steps		Key Points	PPE/Hazards
1.	Park on ready line.		
2.	Lower all attachments.		
3.	Shut down equipment.		
4.	Clean tracks, if needed.		
5.	In cold weather, plug in engine heater on equipment.		
6.	Check brakes in the control panel.	Located just inside of the door going to the tunnel.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of the Screen Feed Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to perform the emergency shutdown of the screen feed belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Screen Feed Belt

• Safety toe footwear		
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TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Inspect belt torches, if needed.		
3.	Pull flag switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of 60 Foot Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the 60 foot belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of 60 Foot Belt

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		
3.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of Screen Discharge Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step- by- step instruction on how to perform the emergency shutdown of the RC2 belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Screen Discharge Belt

TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		
3.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of Reject Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step- by –step instruction on how to perform the emergency shutdown of the reject belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Reject Belt

TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		
3.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of the 100 Foot Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform emergency shutdown of the 100 foot belt.

Requirements: Have proper PPE. Be familiar with belt operation. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of 100 Foot Belt

• Safety to footwear		
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TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		
3.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Long Term Shutdown

Reclaim-Long Term Shutdown-01
2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step- by --step instruction on how to perform the long term shutdown of the reclaim B-Bed system.

Requirements: Have proper PPE. Understand belt operation. Understand operation of gas switches. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Reclaim B-Bed

TASKS:

1. Inspection of belts.

Steps		Key Points	PPE/Hazards
1.	Run all belts dry of material.		
2.	Clean inside of grizzly.		
3.	Shut belt system down.		
4.	Turn #7 belt siren to "off".		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Long Term Shutdown of the Kolman System

Reclaim-Long Term Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step by step instruction on how to perform the long- term shutdown of the Kolman belt system.

Requirements: Have proper PPE. Understand belt operation. Understand operation of gas switches. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Long Term Shutdown of Kolman Belt System

TASKS:

1. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Run all belts dry of material.		
2.	Clean inside of grizzly.		
3.	Shut down belt system.		
4.	Turn #7 belt siren to off.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Shutdown Procedure of Kolman Belt

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to shutdown the Kolman belt.

Requirements: Have proper PPE. Be familiar with belt operation. Understand operation of gas switches. Be familiar with interlock system. Must be B-Operation certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

Shutdown Procedure on Kolman Belt

• Safety toe footwear		
-----------------------	--	--

TASKS:

1. Inspection report.
2. Loader operation.

Steps		Key Points	PPE/Hazards
1.	Clean feeder and chutes before shutting down system.		
2.	Shut fires off on Kolman Belt, if needed.		
3.	Stop Kolman Feeder Belt.		
4.	Stop Kolman Feed Belt.		
5.	Stop Reject Belt.		
6.	Stop screens.		
7.	Pull Flag Switch on #7 belt.	Reset Flag Switch.	

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of the #7 Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the #7 belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operation certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Page 1 of 3

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AGR-CBI_001959

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Emergency Shutdown of #7 Belt

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Pull flag switch.		
2.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Long Term Shutdown of the #7 Belt Sampler

Reclaim-Long Term Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step by step instruction on how to perform the long term shutdown of the #7 belt sampler.

Requirements: Have proper PPE. Understand all safety procedures. Be familiar with sampler operation. Must be B-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toed footwear	<ul style="list-style-type: none">• Personal injury	

Page 1 of 3

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AGR-CBI_001962

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Long Term Shutdown of #7 Belt Sampler

TASKS:

1. Inspection of sampler.

Steps		Key Points	PPE/Hazards
1.	Purge system.		
2.	Shut system down.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of Screens

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of screens.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Screens

TASKS:

1. Inspection reports.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (Washed Ore System)

Emergency Shutdown of Screens

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide operating personnel with step -by -step instruction on how to perform the emergency shutdown of screens.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of Screens

TASKS:

1. Safety procedures.
2. Inspection of equipment.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of Pan Feeder

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step –by –step instruction on how to perform emergency shutdown of pan feeder.

Requirements: Have proper PPE. Be familiar with build operation. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses'• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of Pan Feeder

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of the #7 Belt Magnet

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of #7 belt magnet.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of #7 Belt Magnet

• Safety toe footwear		
-----------------------	--	--

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Turn switch to "off".		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of Kolman Belt Feeder

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform emergency shutdown of the Kolman belt feeder.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear		

Emergency Shutdown of Kolman Belt Feeder

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of the #7 Belt Sampler

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step by step instruction on how to perform the emergency shutdown of the #7 belt sampler.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents: Sampler Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of #7 Belt Sampler

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Turn switch to "off".		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of Reject Belt

Reclaim-Emergency Shutdown-01
2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the reject belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

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Emergency Shutdown of Reject Belt

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System (B-Bed)

Emergency Shutdown of Kolman Belt

Reclaim-Emergency Shutdown-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by –step instruction on how to perform the emergency shutdown of the Kolman belt.

Requirements: Have proper PPE. Be familiar with belt operations. Be familiar with interlock switches. Understand operation of gas switches. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage	

Emergency Shutdown of Kolman Belt

TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Push "stop" button.		
2.	Pull flag switch.		
3.	Inspect belt torches, if needed.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____

Normal Operations

AGR-CBI_001989

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Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Safety Procedure on Adjusting Rollers on Belts

Reclaim-Safety-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step-by-step instruction on how to perform adjustments belt rollers.

Requirements: Have proper PPE. Be familiar with belt operation. Be familiar with interlock procedures. Understand operation of gas switches. Understand lock out procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment: Hammer.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection	<ul style="list-style-type: none">• Personal injury	

Adjusting Rollers on Belts

• Safety toe footwear		
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TASKS:

1. Inspection report.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	While standing on catwalk to adjust topside of belt away from you, hit frame of troughing roller with hammer towards head section.	More than one roller may have to be adjusted.	
2.	While standing on catwalk to adjust topside of belt towards you, hit frame of troughing roller with hammer towards tail section.		
3.	While standing on catwalk to adjust return side of belt, hit the bracket on return roller towards head section to bring belt towards you.	More than one roller may have to be adjusted.	
4.	While standing on catwalk to adjust return side of belt, hit the bracket on the return roller towards tail section to move belt away from you.		
5.	While adjusting rollers, start with the first roller where the belt is running off and work from there.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Safety Procedures on Belt System and Feeders

Reclaim-Safety-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to perform safe procedures on belt system and feeders.

Requirements: Have proper PPE. Be familiar with belt operation. Understand reclaim operation. Understand lockout procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Slick and icy conditions on catwalks and ladders. Use caution.	

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Safety Procedures on Belt System and Feeders

TASKS:

1. Inspection of equipment.
2. Housekeeping.

NOTE

Watch for material when walking under belts. When cleaning the belt rollers the belt must be locked out and the area below must be flagged off. Avoid wearing loose or baggy clothing around belt system. Keep hands and body clear of pulleys and rollers.

Steps		Key Points	PPE/Hazards
1.	Inspect guards on head pulleys, tail pulleys, and counter weights.	Verify that there are no holes in the guards to prevent someone from putting their hands into a pinch point.	
2.	Inspect trip cords (safety flags) and make sure they are working properly.	Verify flag switches, trip cords, and interlocks are working properly.	
3.	Visually inspect belt system to insure all personnel are clear before starting belts.		
4.	When working near or passing by a belt, remember it may start at any time.		
5.	Do not cross over or work on a belt unless it is locked, tag and try.		
6.	Keep hands and body clear of belts, rollers, and pulleys.		
7.	Keep walkways and area around belts clean and clear of foreign material.		
8.	Report faulty guards around drive, pulleys and motors.		
9.	Have lights around belt systems repaired.	When broke or burned out.	
10.	Know the proper procedure for cleaning dirt off a return roller. 10.1 Use a hammer to hit the roller on the down hill side of the direction the belt is running.		
11.	Be familiar with the operation of gas valves and fires.		

Training Notes:

Page 2 of 3

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Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Safety Procedure on Loader

Reclaim-Safety Procedure-02

7/28/04

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to safely operate a loader.

Requirements: Understand operation of loader. Understand operator's manual. Be trained by a qualified operator. Must be A-Operator certified.

Required Documents: Operator's manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

Safety Procedure on Loader

TASKS:

1. Inspection of Loader
2. Operation of Loader

Steps		Key Points	PPE/Hazards
1.	Always use a 3-point stance when mounting or dismounting a loader.		
2.	Verify that all windshields are clear and easy to see through.		
3.	Keep the decks, walkways, and steps free of foreign material.		
4.	Determine that no one is working underneath or close to the machine before starting the engine or moving the loader.		
5.	Do not start the engine or move any of the controls if there is a "do not start" tag attached to the start switch.		
6.	Verify all protective guards and covers are in place.		
7.	Determine horn, back-up alarm, and all warning devices are working properly.		
8.	Sound horn before moving machine.		
9.	Determine a safe distance from the edge of cliff overhangs.		
10.	Hold the bucket close to the ground when moving a load.		
11.	Chock wheels when loader is being worked on.		
12.	Be familiar with work area.		
13.	Always use seat belt when operating equipment.		
14.	Verify park break has been set and all attachments are lowered to the ground before exiting the operators' cab.		

Training Notes:

Page 2 of 3

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Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System
DOZER OPERATION

Reclaim-Safety-02
7/28/04

Reviewed by: _____

Date: _____

Objective: Provide operating personnel with step-by-step instruction on how to operate a dozer safely.

Requirements: Read and understand operations manual. Understand inspection report. Have proper PPE. Be properly trained on dozer. Must be A-Operator certified.

Required Documents: Operators manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

SAFETY PROCEDURES FOR DOZERS

TASKS: List ALL tasks within this procedure.

1. Operators manual
2. Operation of equipment

CAUTION

Verify that while all cuts being fed to the grizzly, all back walls are maintained at a two to one slope as much as possible to prevent vertical back walls.

Steps		Key Points	PPE/Hazards
1.	Know and understand the operator's manual before operating this equipment.		
2.	Always use a 3-point stance when mounting or dismounting a dozer.		
3.	While crossing under belts watch for headroom under belts and belt legs.		
4.	Verify that all windshields are clear and easy to see through.		
5.	Keep the decks, walkways, and steps free of foreign material.		
6.	Never get on or off a moving dozer.		
7.	Never jump off the machine.		
8.	Make sure no one is working underneath or close to the machine before starting the engine moving the dozer.		
9.	Do not start the engine or move any of the controls if there is a "do not operate" tag or a similar warning tag attached to the start switch.		
10.	If the machine begins to sideslip on a grade, immediately dispose of the load and turn the machine downhill.		
11.	Verify park break has been set and all attachments are lowered to the ground before exiting the operators' cab.		

Training Notes:

Page 2 of 3

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Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

SAFETY PROCEDURES

Reclaim Area Washed Ore System

DOZER OPERATION

Reclaim-Safety-01

02/04/03

Reviewed by: _____

Date: _____

Objective: Perform the proper steps to successfully operate a dozer in a safe manner.

Requirements: Read and understand operations manual. Understand inspection report. Have proper PPE. Be properly trained on dozer.

Required Documents: Operators manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

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SAFETY PROCEDURES FOR DOZERS

TASKS:

1. Operators manual
2. Operation of equipment

Steps		Key Points	PPE/Hazards
1.	Know and understand of the operator's manual before operating this equipment.		
2.	Always use a 3 point stance when mounting or dismounting the dozer.		
3.	While crossing under belts, watch for headroom under belts and belt legs.		
4.	Verify that all windshields are clear and easy to see through.		
5.	Keep the decks, walkways, and steps free of foreign material.		
6.	Never get on or off a moving dozer.		
7.	Never jump off the machine.		
8.	Make sure no one is working underneath or close to the machine before starting the engine or moving the dozer.		
9.	Do not start the engine or move any of the controls if there is a "do not operate" tag or similar warning tag attached to the start switch.		
10.	If the machine begins to sideslip on a grade, immediately dispose of the load and turn the machine down hill.		
11.	Use extreme caution when operating dozer on frozen ground.		
12.	Always use seat belt when operating equipment.		
13.	Be familiar with the work area.		

Training Notes:

- 1.
- 2.

Page 2 of 3

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SAFETY PROCEDURES FOR DOZERS

- 3.
- 4.
- 5.



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Cleaning the B-Bed Screens

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step -by -step instruction on how to clean the B-Bed screens, clearing all rocks.

Requirements: Have proper PPE. Understand all safety procedures. Understand Reclaim operation. Must be B-Operator certified.

Required Documents:

Tools and Equipment: Bars, rake, sledgehammer.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Pinch points	

Cleaning the B-Bed Screens

TASKS:

1. Belt operation.

Steps		Key Points	PPE/Hazards
1.	Visually inspect screens to identify pluggage.		
2.	Use the tools provided to clean screens.		
3.	Bar can be used to dislodge rocks from screens.		
4.	Rake can be useful to pull rocks off of the screens.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Operation of Belts

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step -by -step instruction on how to perform safe and successful operation of belt system.

Requirements: Have proper PPE. Be familiar with belt operation. Understand operation of gas switches. Be familiar with interlock procedures. Be familiar with belt adjustment. Understand all safety procedures. Must be B-Operator certified.

Required Documents:

Tools and Equipment: Air lance, bars, and hammer.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear	<ul style="list-style-type: none">• Stay clear of all pinch points• Slick and icy conditions on catwalks and ladders	

Page 1 of 4

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Operation of Belts

TASKS:

1. Safety procedures.
2. Inspection of all stationary equipment.

Steps		Key Points	PPE/Hazards
1.	Verify walkways and areas around belts are clear of foreign material.		
2.	Verify guards around drives, pulleys, and motors are in good condition.		
3.	Verify lights around belt systems are in good working condition.		
4.	Adjust troughing roller if the top of the belt is out of align.		
5.	Adjust return rollers if the bottom side of the belt is out of align.		
6.	Clean return rollers by: 6.1 Hit the roller with a hammer on the downhill side of the Direction the belt is running.		
7.	Verify dirt hawks and belt scrapers are not worn and catching on splices or pulleys.		
8.	Verify that pulleys and rollers do not have bad bearings, cracks, or rubbing on the belt frame.		
9.	Verify that motors and gearboxes do not have oil leaks, any vibration, excess noise, and are not overheating.		
10.	Test flag switches and gas interlocks on belts to insure they are working properly.		
11.	Verify that all chutes are clean.	Use air lance to clean chute or feeder.	
12.	Verify that all bolts are tight on the screens.		
13.	Check oil and drain water from compressor on bottom floor of tower.		

NOTE

When ever there is a blend change, contact the B-operator in the wash plant so he can start a new product sample.

Operation of Belts

NOTE

When locking out a belt, use proper lock, tag, and try procedures.

CAUTION

Do not cross over a belt unless it is locked out. When cleaning rocks from belt rollers the belt must be locked out and the area below must be flagged off.

CAUTION

Watch for falling material when walking under belts. Avoid wearing loose or baggy clothing around belt systems.

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Loader Operation

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to perform normal operation of the loader.

Requirements: Read and understand operator's manual. Have proper PPE. Understand walk around procedure. Understand inspection of all fluid levels. Be familiar with EMS system. Must be A-Operator certified.

Required Documents: Operator's manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection	<ul style="list-style-type: none">• Equipment damage	

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Operation of Loader

- Safety toe footwear

TASKS:

1. Inspection report.
2. Safety procedures.

CAUTION

When operating loader around reclaim area, watch for vehicles and personnel on the ground.

Steps		Key Points	PPE/Hazards
1.	Verify the ramp and roadway to the washed ore feeder is clear of spillage and frozen chunks.		
2.	Verify side of ramp has no weak spots or soft spots.		
3.	Fill loader bucket with proper ore blend.		

CAUTION

Use caution when feeding washed ore in slick or icy conditions.

NOTE

When pushing chunks through grizzly, set the buckets on the chunks and apply pressure. The chunks that don't push through drag off and haul them to the reject pile.

CAUTION

Do not beat chunks on the grizzly with the loader bucket.

4.	Place ore on feeder.	If ramp is slick, sand ramp lightly with washed ore.	
5.	Back loader down ramp.		
6.	Repeat steps 1-4.		

Operation of Loader

CAUTION

If overhangs exist, use dozer to knock them down.

CAUTION

When operating around feeder with the loader, use caution so as not to hit the feeder.

CAUTION

When removing reject from under the Reject Belt, use caution not to put pressure on the back wall.

Standard Operating Control Limits			
Normal Operation of Loader 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids	Overfull above full line	Equipment damage	Drain to proper level
Low oil fluids	Needs oil below add line	Equipment damage	Fill to proper level
Red light comes on	301 loader, low air pressure	Brakes will not release	Build air until green light comes on
Air below 90 pounds	303 loader, low air pressure	Brakes will not release	Build air to above 90 pounds

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

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TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Fueling Equipment

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by-step instruction on how to perform the fueling of equipment.

Requirements: Read and understand Operator's Manual. Have proper PPE. Understand all safety procedures. Understand all fluid levels. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Fuel spill	<ul style="list-style-type: none">• Spilling fuel on ground

Fueling Equipment

TASKS:

1. Operation of equipment.
2. Inspection of equipment.
3. Safety procedures.

NOTE

All equipment will be fueled from the big tank next to the north mobile shop.

Steps		Key Points	PPE/Hazards
1.	Lower all attachments to the ground.		

CAUTION

At operating temperature, the engine coolant is hot and under pressure.

Steam can cause personal injury.

Check the coolant level **ONLY** after the engine has been stopped and the filler cap is cool enough to touch with bare hand.

2.	Inspect all fluid levels. Fill as needed.	15-40 for engine 30w for transmission 10w for hydraulic	
3.	Remove the antifreeze filler cap slowly, if no sight glass	Radiator will under pressure.	
4.	Perform walk around and inspect equipment for leaks and defects	Report ALL leaks to your supervisor.	

NOTE

There are two large hoses on the big fuel tank; one with a Wiggins fitting and the other has a spout. Turn off the valve to the one not in use.

5.	Hook nozzle of Wiggins fitting to equipment.	Turn to on position.	
6.	Start pump. Note: Wiggins fitting will shut off when tank is full.		
7.	Remove Wiggins fitting from equipment.		

Fueling Equipment

8.	Turn off pump.		
Steps		Key Points	PPE/Hazards
9.	Record on log, fuel used, hour meter and equipment number.		
10.	Complete equipment checklist and turn in at end of each shift.		

Standard Operating Control Limits			
Fueling Equipment 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids	Overfull, above full line	Equipment damage	Train to proper level
Low oil fluids	Needs oil, below add line	Equipment damage	Fill to proper level

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Operation of #7 Belt Sampler

Reclaim-01
2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to operate #7 belt sampler.

Requirements: Have proper PPE. Understand all safety procedures. Be familiar with sample operation. Must be B-Operator certified.

Required Documents: Sampler handbook.

Tools and Equipment: Wrenches, air lance.

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

Operation of #7 Belt Sampler

TASKS:

1. Inspection of sampler.
2. Safety procedures.

NOTE

Verify gas and siren switches, in bottom floor of the tower, are in the ON position in order for the sampler to run.

Steps		Key Points	PPE/Hazards
1.	Drain water traps, filters on primary samplers.		
2.	Adjust regulator to 130 PSI on the primary sampler.		
3.	Verify for material plugged in the pick seizer.		
4.	Clean out cylinder tray for operation on the sampler mill/crusher.		
5.	Verify lubricator on the primary sampler has oil in container.	Fill reservoir if needed.	
6.	Verify lubricator on the secondary sampler has oil in the container.	Fill reservoir if needed.	

CAUTION

Insure that all potential energy sources are locked, tagged, and tried before starting any repairs.

Standard Operating Control Limits

Deviation	Condition	Consequence	Action To Take
High/High	What is the condition?	What will occur in this status?	What action do we need to pursue to overcome results?
Low Air pressure	Air leak	Primary sweet will fail	Run sampler at 130 PSI

Training Notes:

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Conda Phosphate Operations

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TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim System

Pushing Washed Ore

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by- step instruction on how to perform the pushing of washed ore.

Requirements: Have proper PPE. Understand safety procedures. Read and understand Operator's Manual. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing Protection• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Personal injury	

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Pushing Washed Ore

TASKS:

1. Operation of equipment.
2. Safety procedures.

NOTE

Operators should notify the B-Operator in the Wash Plant and tell him that they will be pushing the pile so Wash Plant Operator will look to see where the dozer is before sending the feed outside (so the feed will not land on the dozer).

CAUTION

Verify there is enough clearance on south side of cone as to not hit cribbing.

Steps		Key Points	PPE/Hazards
1.	Pushed washed ore cone, starting on the south side to the stockpile.	If the washed ore is to the cribbing, push ore from the side of the cone to make a pathway between the cone and the cribbing.	
2.	Push the rest of the cone to the stockpile.		
3.	Verify that the south side of the washed pile is far enough away from the reclaim system.	If the pile sloughs, it will not cover the belts and screens.	

CAUTION

Use caution when pushing close to the edge of the pile so it does not slough out from under the dozer.

Pushing Washed Ore

CAUTION

Visually keep floor between cone and transformer fence at the same level as the Wash Plant floor to stay above power lines and water lines buried underneath.

Standard Operating Control Limits			
Pushing Washed Ore 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids	Overfull, above full line	Equipment damage	Drain to proper level
Low oil fluids	Needs oil, below add line	Equipment damage	Fill to proper level
High RPM	Engine over tacked	Equipment damage	Do not operate over 2500 RPM
2 nd Stage alarm	Could vary	Equipment damage	Change machine operation
3 rd Stage alarm	Could vary	Equipment damage	Immediate shutdown

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations

Standard Operating Procedures

Reclaim Systems

Firing Air Cannons

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to fire the Air Cannons.

Requirements: Have proper PPE. Understand all safety procedures. Understand Reclaim operation. Must be B-Operator certified.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear		

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Firing Air Cannons

TASKS:

1. Operation of equipment.

	Steps	Key Points	PPE/Hazards
1.	Verbally warn the dozer operator before firing the cannons.		
2.	Blow the Air Cannon warning siren for 20 seconds. Wait 30 seconds for operators to leave area.		
3.	Turn the dial on the Air Cannon control box to the cannon to be fired.		

NOTE

Fire cannons #1- #4 simultaneously.

4.	Push the button on the Air Cannon control box to fire cannons.		
5.	Turn dial on the control box to the next cannon and push the "fire button" until all four cannons has been fired.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

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TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Cleaning #7 Belt Magnet

Reclaim-01

2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to perform the cleaning of the #7 Belt Magnet.

Requirements: Have proper PPE. Understand all safety procedures. Understand Reclaim operation.

Required Documents:

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Work gloves• Hearing protection• Safety toe footwear		

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Cleaning #7 Belt Magnet

TASKS:

1. Operation of equipment.
2. Safety procedures.

Steps		Key Points	PPE/Hazards
1.	Open gate.	On metal skirting.	
2.	Crank the cable - pull on the west side of the belt to move the magnet away from the belt.		
3.	Shut the magnet off to let the metal drop.		
4.	Use the cable-pull on the east side to pull the magnet over the belt.		
5.	Close gate.	On metal skirting.	
6.	Turn on the magnet again.		
7.	Clean up the metal from the magnet and put it in the metal bin.		

Training Notes:



Conda Phosphate Operations

OPERATIONS PROCEDURE ACKNOWLEDGEMENT

With my signature I am acknowledging that I have read the procedure, I understand the procedure and that I will comply with the procedure.

TRAINEE: _____

DATE: _____



Conda Phosphate Operations
Standard Operating Procedures

Reclaim System

Dozer Operation

Reclaim-01
2/28/03

Reviewed by: _____

Date: _____

Objective: To provide personnel with step- by -step instruction on how to perform normal operation of the dozer feeding the B-Bed system on a daily basis.

Requirements: Read and understand Operator's Manual. Have proper PPE. Understand the differences in ore piles. Understand reclaim operation. Must be A-Operator certified.

Required Documents: Operator's Manual.

Tools and Equipment:

PPE	Hazards	Environmental Considerations
<ul style="list-style-type: none">• Hardhat• Safety glasses• Leather gloves• Safety toe footwear	<ul style="list-style-type: none">• Equipment damage• Housekeeping on equipment• Cliffs, Overhangs, and Slides• Weather conditions, frozen ground	

Normal Operation of Dozer

TASKS:

1. Feeder operation.
2. Safety procedures.
3. Inspection of all mobile equipment.
4. Fueling equipment.

CAUTION

Verify that while all cuts being fed to the grizzly, all back walls are maintained at a two to one slope as much as possible to prevent vertical back walls.

CAUTION

Engine Over speed: Main and auxiliary lamps will light up at engine speed of 2700 RPM. The tachometer will indicate the machine is violating the recommended engine speed limit when tachometer enters the red zone. This usually happens when going down steep roads or ramps. To prevent engine over speed, use lower gears, brake, or carry load in front of dozer.

CAUTION

Warning Categories:

1. Indicator flashing requires the operator to be aware the machine needs attention.
2. Indicator and action lamp flashing requires the operator to change machine operation.
3. Indicator and action lamp flashing with action alarm going off. Requires immediate shutdown of the machine.

Steps		Key Points	PPE/Hazards
1.	Verify the blend to know which cuts to feed.		
2.	Push the desired blend of ore to the grizzly.		
3.	Keep ore around grizzly about one foot above grizzly.		
4.	Raise the dozer blade and drop your load in the feeder just as you reach the grizzly.		

CAUTION

When working around grizzly, be careful not to hook it with your blade or rippers. Carry rippers all the way up when working around grizzly.

Normal Operation of Dozer

5.	Break any frozen chunks on grizzly by: 5.1 Walk track of dozer on chunk. 5.2 Moving back and forth slowly. 5.3 Do not turn on grizzly.		
6.	Stop and put the machine in reverse and back up to desired blend.		
7.	Teeter dozer slowly over berms when backing up.		

NOTE

While crossing under belts, watch for headroom under belts and belt legs.

NOTE

In the winter, keep the cuts the depth of your dozer blade and leave berms as you work across the cut to keep the ore from freezing.

NOTE

Rollover operator will notify the reclaim operator to use caution when working near the head section of rollover belts. Ore coming off belts could cause damage to dozers.

NOTE

In cold weather, an operator will use a dozer to push the snow and frost out of the cuts to be used, to open them up.

CAUTION

In icy conditions, carry the dozer blade and rippers close to the ground. In case the dozer begins to slide, put blade and rippers on the ground to help stop the equipment.

CAUTION

When going down an icy ramp, it may help to spread loose dirt on the ramp to keep the dozer from sliding.

Normal Operation of Dozer

DANGER

Always let operator know of your presence when entering the work area.

Standard Operating Control Limits			
Dozer Operation 02/04/03			
Deviation	Condition	Consequence	Action To Take
High oil fluids, above full line	Overfull	Equipment damage	Drain to proper level
Low oil fluids, below add line	Needs oil	Equipment damage	Fill to proper level
High RPM	Engine over tacked	Equipment damage	Do not operate over 2500 RPM
2 nd stage alarm	Could vary	Equipment damage	Change machine operation
3 rd state alarm	Could vary	Equipment damage	Immediate shutdown

Training Notes:



Conda Phosphate Operations

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DATE: _____